

Exhibit 1.1

Incident Statistics by Mode and Reporting Year

Mode	1992	1993	1994	1995	1996	1997	1998	1999	Total
Incidents by Mode									
Air	413	622	929	814	916	1,027	1,380	1,553	7,654
Highway	7,759	11,080	13,995	12,764	11,917	11,861	12,968	14,281	96,625
Railway	1,130	1,120	1,157	1,153	1,111	1,102	990	1,039	8,802
Water	8	8	6	12	6	5	11	8	64
Other	0	0	0	0	0	0	0	0	0
TOTALS	9,310	12,830	16,087	14,743	13,950	13,995	15,349	16,881	113,145

Deaths by Mode									
Air	0	0	0	0	110	0	0	0	110
Highway	16	15	11	7	8	12	13	5	87
Railway	0	0	0	0	2	0	0	0	2
Water	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0
TOTALS	16	15	11	7	120	12	13	5	199

Injuries by Mode									
Air	23	50	57	33	33	24	20	13	253
Highway	465	511	425	296	216	156	153	217	2,439
Railway	116	66	95	71	926	45	22	37	1,378
Water	0	0	0	0	0	0	2	0	2
Other	0	0	0	0	0	0	0	0	0
TOTALS	604	627	577	400	1,175	225	197	267	4,072

Damages by Mode (in Dollars)									
Air	98,634	88,480	177,695	100,582	87,188	336,178	266,628	283,462	1,438,847
Highway	23,920,011	19,849,049	25,242,713	22,144,029	29,267,931	24,664,292	28,154,819	23,213,245	196,456,089
Railway	11,002,297	2,650,931	18,673,002	8,485,159	17,373,978	8,355,149	16,359,706	7,849,920	90,750,142
Water	143,115	213,091	92,003	173,511	120,146	38,145	1,014,931	60,500	1,855,442
Other	0	0	0	0	0	0	0	0	0
TOTALS	35,164,057	22,801,551	44,185,413	30,903,281	46,849,243	33,393,764	45,796,084	31,407,127	290,500,520

Exhibit 1.2

Incident Statistics by Mode and Reporting Year

Serious Incidents

Mode	1992	1993	1994	1995	1996	1997	1998	1999	Total
Incidents by Mode									
Air	10	9	15	11	13	12	22	15	107
Highway	308	283	335	328	376	345	341	286	2,602
Railway	57	66	76	68	77	65	69	59	537
Water	1	0	1	1	0	0	0	0	3
Other	0	0	0	0	0	0	0	0	0
TOTALS	376	358	427	408	466	422	432	360	3,249

Deaths by Mode									
Air	0	0	0	0	110	0	0	0	110
Highway	16	15	11	7	8	12	13	5	87
Railway	0	0	0	0	2	0	0	0	2
Water	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0
TOTALS	16	15	11	7	120	12	13	5	199

Injuries by Mode									
Air	7	7	33	22	21	4	4	5	103
Highway	189	242	188	88	85	68	55	109	1,024
Railway	78	11	45	20	892	6	9	3	1,064
Water	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0
TOTALS	274	260	266	130	998	78	68	117	2,191

Damages by Mode (in Dollars)									
Air	1,500	23,175	69,871	6,041	11,410	6,209	26,168	6,262	150,636
Highway	19,433,619	13,169,100	14,485,766	16,732,937	23,826,872	18,722,297	22,266,124	16,498,374	145,135,089
Railway	9,501,264	1,935,467	12,385,233	7,492,260	16,619,721	7,399,115	15,502,779	6,068,243	76,904,082
Water	125,000	0	0	71,141	0	0	0	0	196,141
Other	0	0	0	0	0	0	0	0	0
TOTALS	29,061,383	15,127,742	26,940,870	24,302,379	40,458,003	26,127,621	37,795,071	22,572,879	222,385,948

* RSPA defines serious incidents as incidents that involve: a fatality or major injury due to a hazardous material; closure of a major transportation artery or facility or evacuation of six or more persons due to the presence of a hazardous material; or a vehicle accident or derailment resulting in the release of a hazardous material.

Exhibit 1.3

Incident Statistics by Mode and Reporting Year

Accident / Derailment Incidents

Mode	1992	1993	1994	1995	1996	1997	1998	1999	Total
Incidents by Mode									
Air	1	0	0	0	0	1	1	0	3
Highway	245	215	243	244	289	257	264	219	1,976
Railway	36	49	52	50	43	52	51	53	386
Water	1	0	0	0	0	0	0	0	1
Other	0	0	0	0	0	0	0	0	0
TOTALS	283	264	295	294	332	310	316	272	2,366

Deaths by Mode									
Air	0	0	0	0	0	0	0	0	0
Highway	15	14	11	6	5	10	8	3	72
Railway	0	0	0	0	2	0	0	0	2
Water	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0
TOTALS	15	14	11	6	7	10	8	3	74

Injuries by Mode									
Air	0	0	0	0	0	0	0	0	0
Highway	34	61	95	14	22	11	11	13	261
Railway	64	1	16	4	842	5	4	0	936
Water	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0
TOTALS	98	62	111	18	864	16	15	13	1,197

Damages by Mode (in Dollars)									
Air	0	0	0	0	0	0	0	0	0
Highway	18,140,499	11,200,448	13,528,095	16,256,066	22,276,796	17,730,187	21,332,168	13,361,434	133,825,693
Railway	9,378,024	1,916,070	12,013,577	7,260,124	15,460,065	7,338,960	15,437,881	6,044,583	74,849,284
Water	125,000	0	0	0	0	0	0	0	125,000
Other	0	0	0	0	0	0	0	0	0
TOTALS	27,643,523	13,116,518	25,541,672	23,516,190	37,736,861	25,069,147	36,770,049	19,406,017	208,799,977

Exhibit 1.4

Incident Statistics by Mode and Reporting Year

Hazardous Waste Incidents

Mode	1992	1993	1994	1995	1996	1997	1998	1999	Total
Incidents by Mode									
Air	1	1	1	0	0	2	3	2	10
Highway	377	549	519	652	424	379	378	402	3,680
Railway	33	23	27	24	34	38	40	32	251
Water	0	1	0	0	0	0	0	0	1
Other	0	0	0	0	0	0	0	0	0
TOTALS	411	574	547	676	458	419	421	436	3,942

Deaths by Mode									
Air	0	0	0	0	0	0	0	0	0
Highway	0	0	0	0	1	0	0	0	1
Railway	0	0	0	0	0	0	0	0	0
Water	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0
TOTALS	0	0	0	0	1	0	0	0	1

Injuries by Mode									
Air	0	0	0	0	0	0	2	0	2
Highway	50	5	4	23	10	9	4	21	126
Railway	1	0	1	1	3	1	1	6	14
Water	0	0	0	0	0	0	0	0	0
Other	0	0	0	0	0	0	0	0	0
TOTALS	51	5	5	24	13	10	7	27	142

Damages by Mode (in Dollars)									
Air	0	1	0	0	0	75	5,175	2,000	7,251
Highway	1,132,085	832,944	1,153,436	1,612,542	1,861,803	3,376,202	872,908	1,270,616	12,112,536
Railway	67,487	63,789	1,296,204	466,580	43,960	35,520	29,645	1,071,257	3,074,442
Water	0	17,630	0	0	0	0	0	0	17,630
Other	0	0	0	0	0	0	0	0	0
TOTALS	1,199,572	914,364	2,449,640	2,079,122	1,905,763	3,411,797	907,728	2,343,873	15,211,859

Exhibit 2.1

Hazardous Materials Incidents, 1992 - 1999

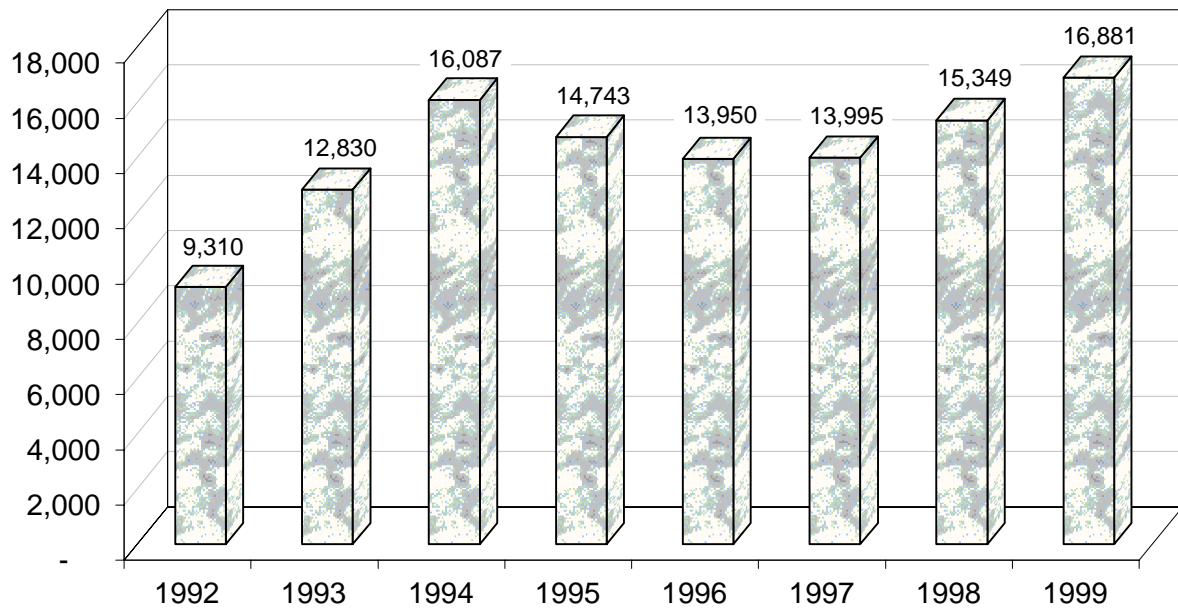


Exhibit 2.2

Fatalities due to Hazardous Materials, 1992 - 1999

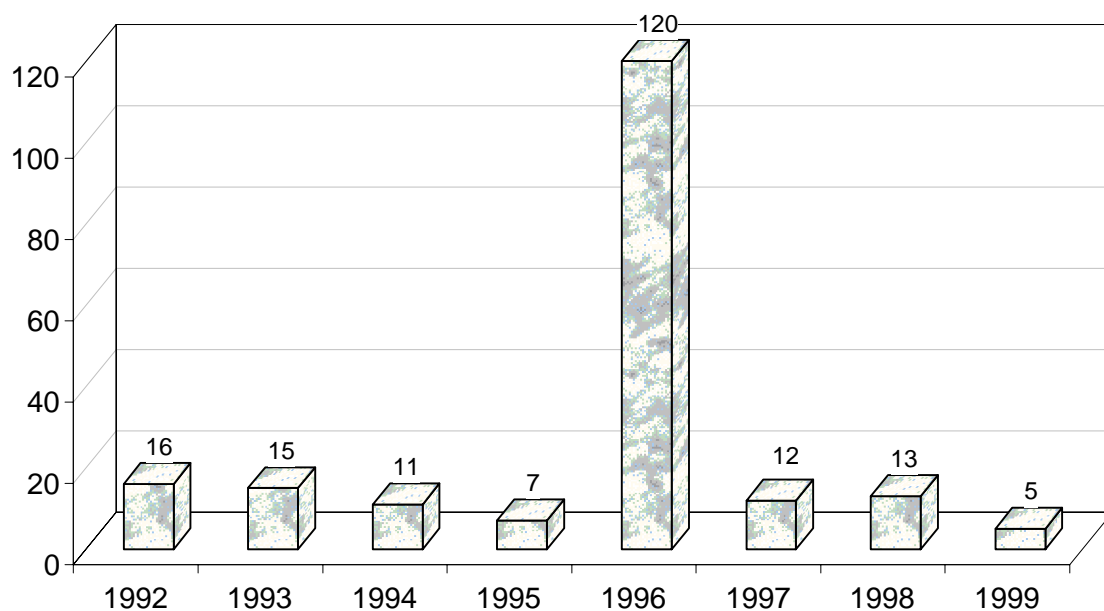


Exhibit 2.3

Hazardous Materials Incidents, 1992 - 1999

Highway by Bulk and Non-Bulk

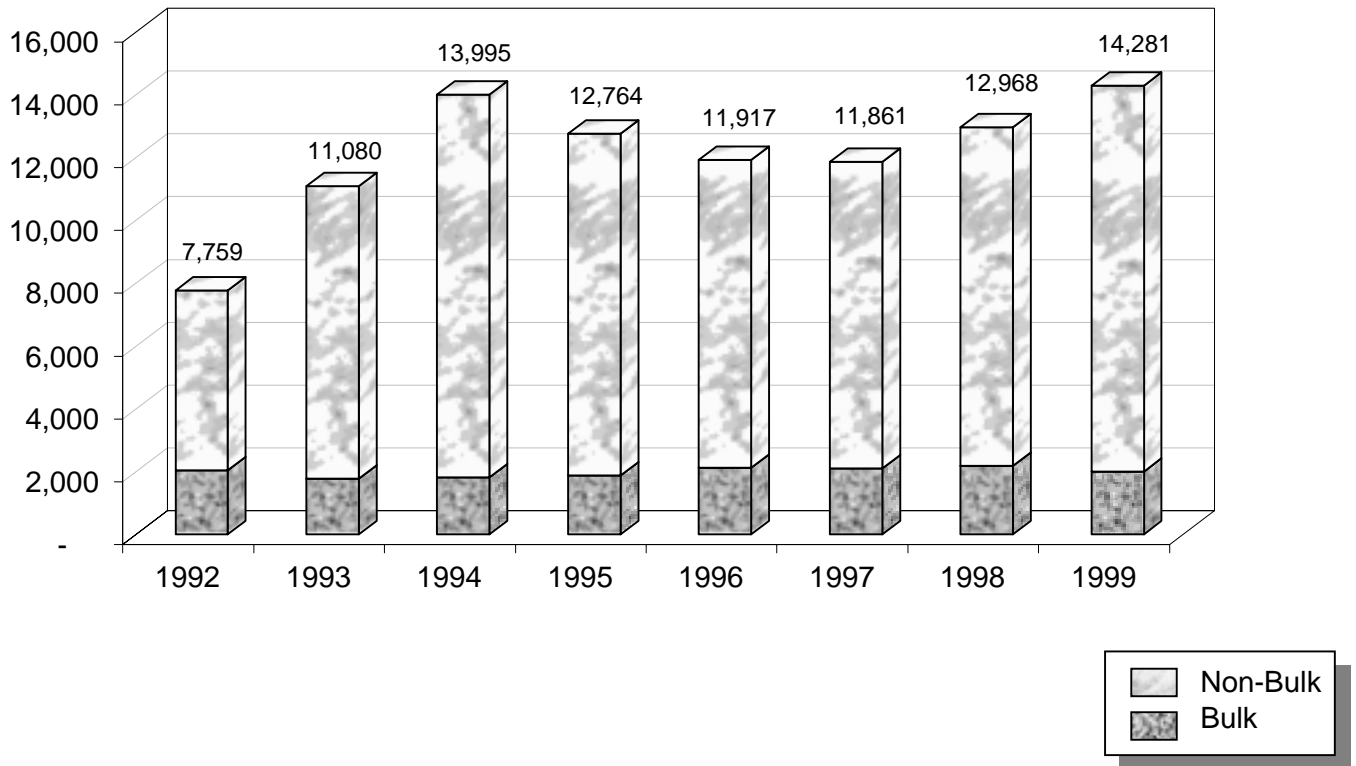


Exhibit 2.4

Hazardous Materials Incidents, 1992 - 1999

Rail by Bulk and Non-Bulk

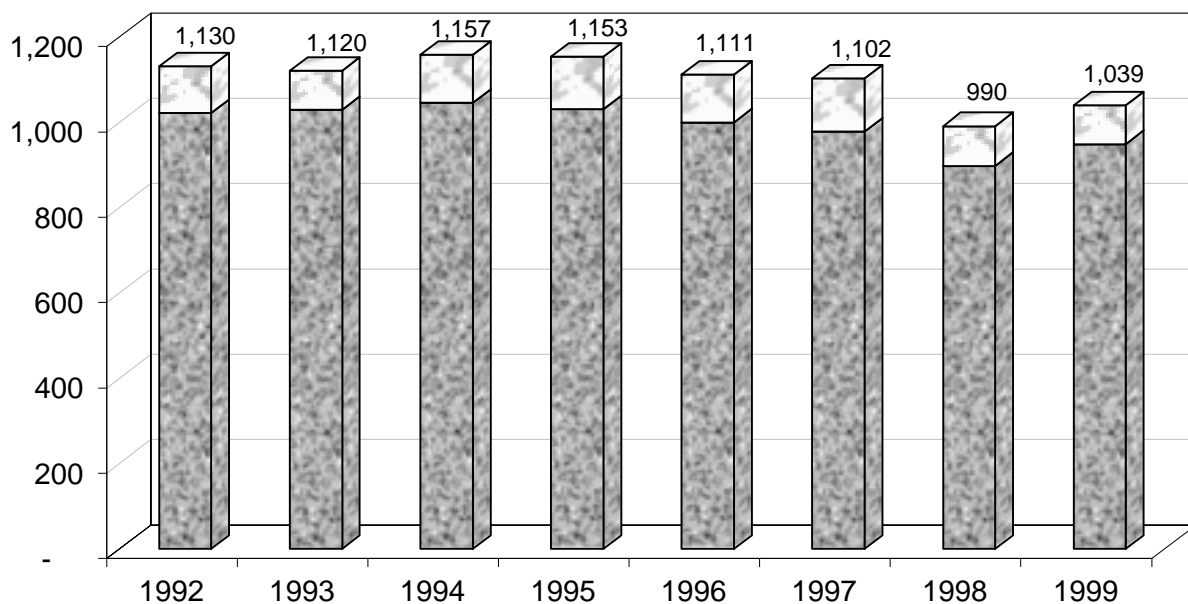


Exhibit 2.5
Hazardous Materials Incidents, 1992 - 1999
Air

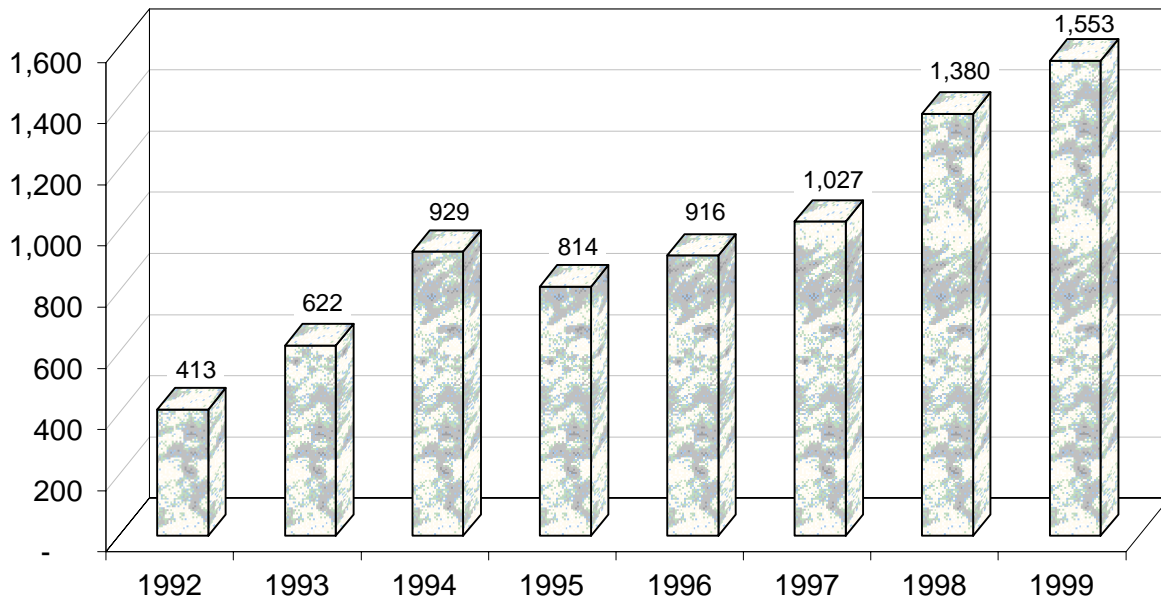


Exhibit 2.6
Hazardous Materials Incidents, 1992 - 1999
Water

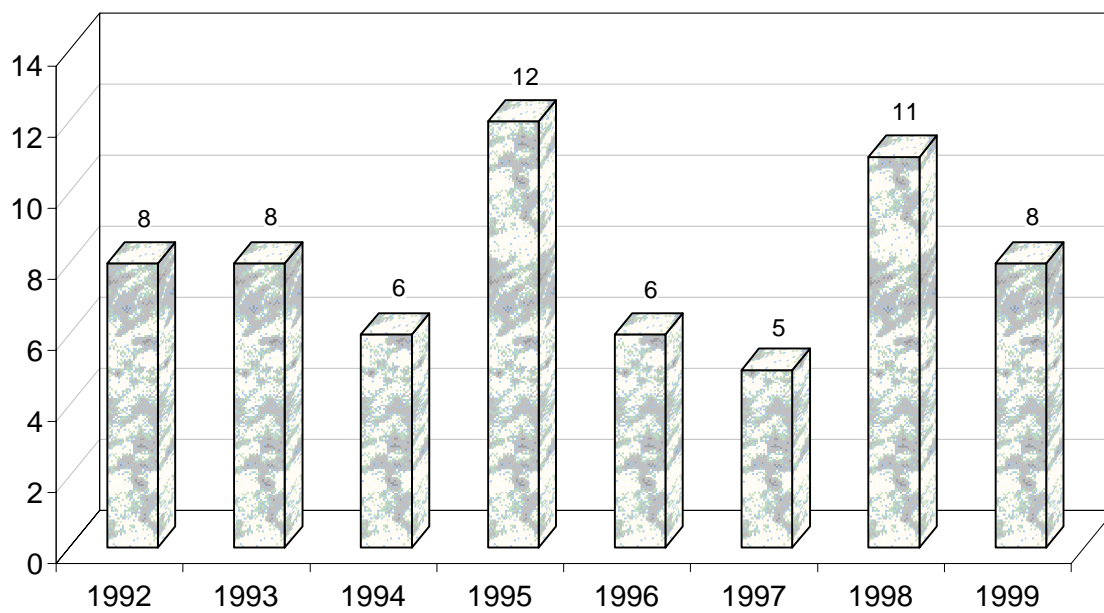


Exhibit 3.1

Hazardous Materials Incidents, 1985-1999

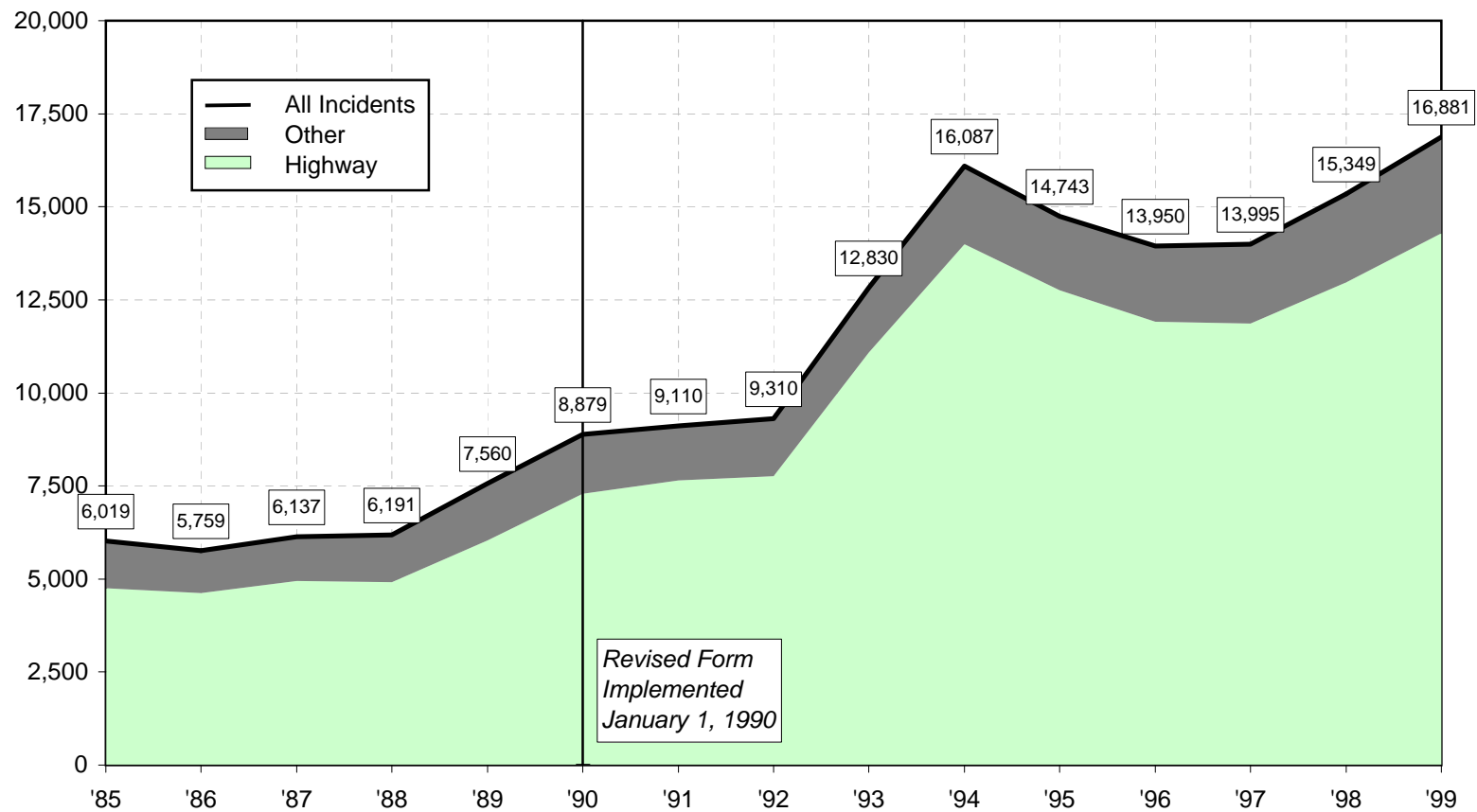
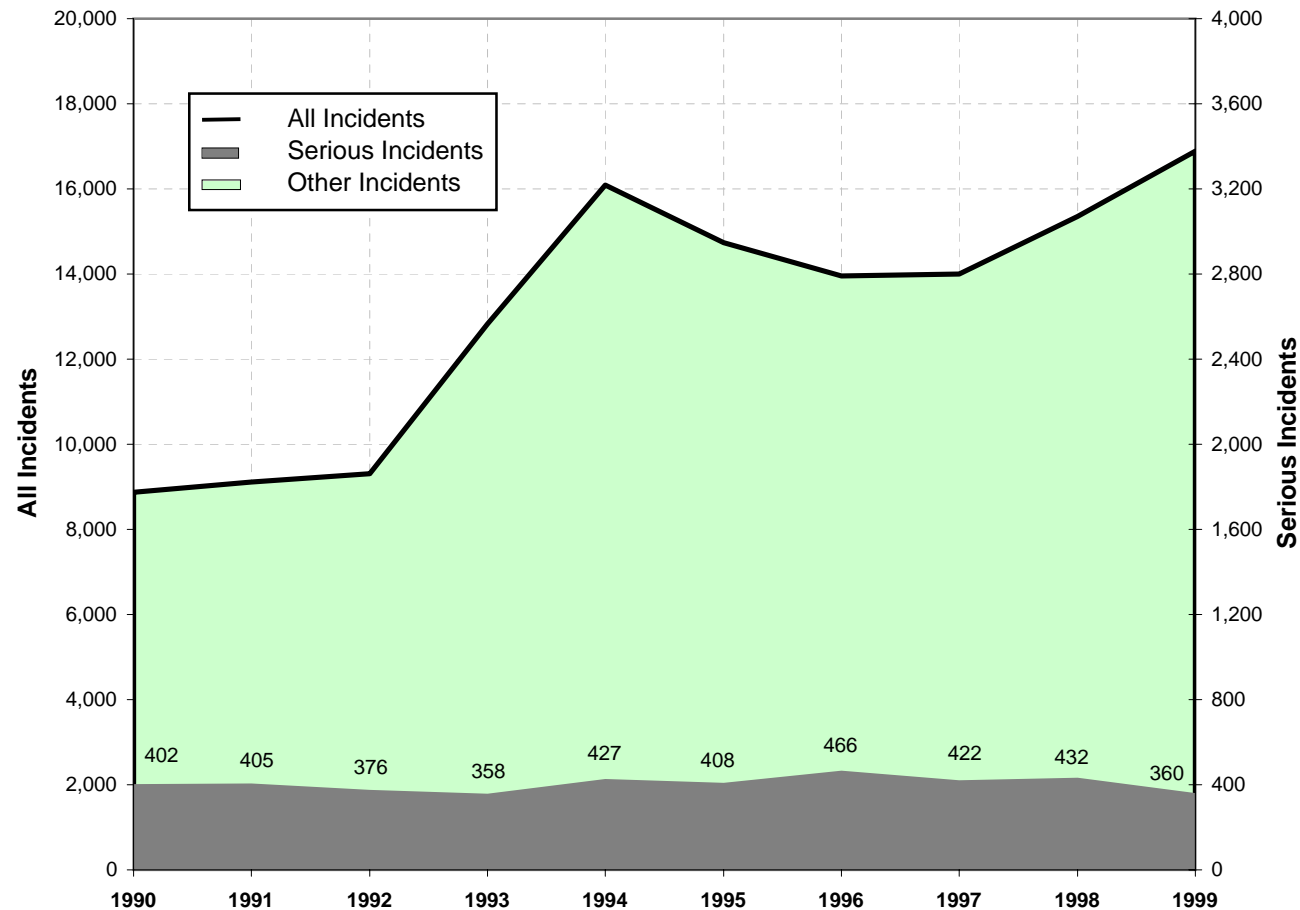


Exhibit 3.2

Hazardous Materials Incidents, 1990-1999

Serious Incidents

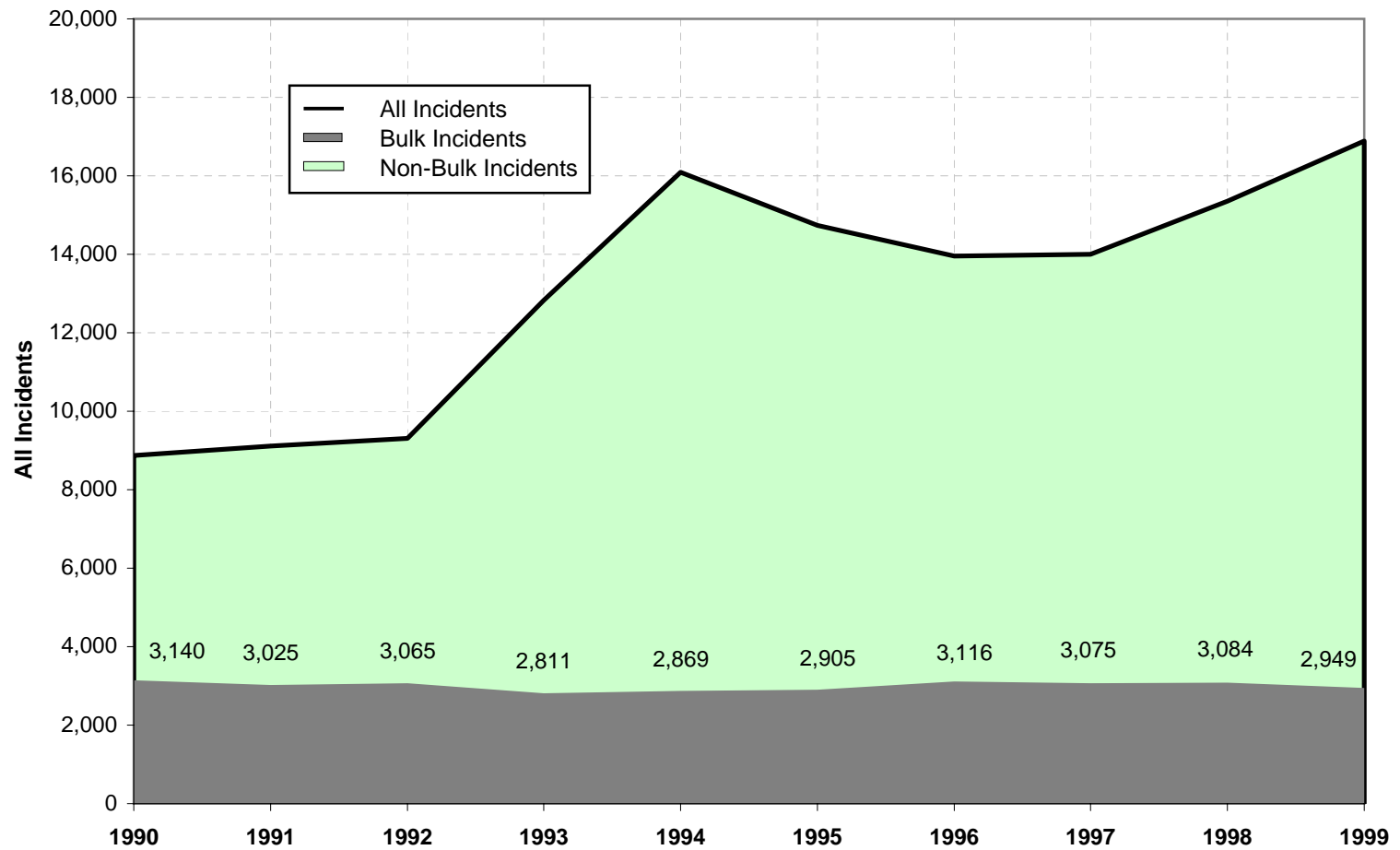


Note: RSPA defines serious incidents as incidents that involve: a fatality or major injury due to a hazardous material; closure of a major transportation artery or facility or evacuation of six or more persons due to the presence of a hazardous material; or a vehicle accident derailment resulting in the release of a hazardous material.

Exhibit 3.3

Hazardous Materials Incidents, 1990-1999

Bulk and Non-Bulk Incidents



Note: Bulk packages are defined as those with a maximum capacity greater than 450 L (119 gallons).

Exhibit 4.1.1

Incidents and Damages by Hazard Class - 1998

Hazard Class *	Number of Reported Incidents	Percent of Reported Incidents	Rank by Incidents	Number of Incidents Involving Damages	Amount of Damages (\$)	Percent of Total Damages	Rank by \$ Damages
Flammable - Combustible Liquid	6,366	41.3	1	4,393	25,915,363	56.6	1
Corrosive Material	5,508	35.7	2	3,944	12,043,763	26.3	2
Poisonous Materials	1,138	7.4	3	817	981,294	2.1	6
Miscellaneous Hazardous Material	521	3.4	4	335	2,224,586	4.9	3
Oxidizer	501	3.2	5	404	1,040,125	2.3	5
Combustible Liquid	386	2.5	6	322	1,228,827	2.7	4
Nonflammable Compressed Gas	326	2.1	7	187	533,194	1.2	8
Flammable Gas	182	1.2	8	96	923,950	2.0	7
Organic Peroxide	130	0.8	9	108	173,098	0.4	11
Other Regulated Material, Class D	122	0.8	10	93	25,532	0.1	14
Flammable Solid	104	0.7	11	70	85,705	0.2	12
Poisonous Gas	40	0.3	12	15	81,876	0.2	13
Radioactive Material	30	0.2	13	8	7,170	<.1	16
Spontaneously Combustible	27	0.2	14	19	209,342	0.5	10
Dangerous When Wet Material	16	0.1	15	8	4,660	<.1	17
Explosive No Blast Hazard	13	0.1	16	3	727	<.1	18
Infectious Substance (Etiologic)	10	0.1	17	1	20,000	<.1	15
Very Insensitive Explosive	9	0.1	18	7	296,762	0.6	9
Explosive Mass Explosion Hazard	2	<.1	19	1	10	<.1	20
Explosive Projection Hazard	1	<.1	20	1	100	<.1	19
TOTALS		100.0			\$45,796,084	99.9	

Note: Since some incidents involve multiple hazard classes, double counting occurs in the "Number of Reported Incidents" and "Number of Incidents Involving Damages" columns. Therefore, no totals are shown for these columns.

The "Percent of Reported Incidents" is based on the sum of the "Number of Reported Incidents" column.

All percent figures are rounded to the nearest tenth.

* No reports were received for other hazard classes.

Exhibit 4.1.2

Incidents and Damages by Hazard Class - 1999

Hazard Class **	Number of Reported Incidents	Percent of Reported Incidents *	Rank by Incidents	Number of Incidents Involving Damages	Amount of Damages (\$)	Percent of Total Damages *	Rank by \$ Damages
Corrosive Material	6,903	40.6	1	5,371	5,628,683	17.9	2
Flammable - Combustible Liquid	6,647	39.1	2	4,616	14,261,165	45.4	1
Poisonous Materials	1,013	6.0	3	714	650,826	2.1	9
Miscellaneous Hazardous Material	458	2.7	4	295	1,333,113	4.2	5
Oxidizer	435	2.6	5	356	788,934	2.5	8
Nonflammable Compressed Gas	374	2.2	6	218	1,453,034	4.6	4
Combustible Liquid	329	1.9	7	240	3,799,897	12.1	3
Flammable Gas	208	1.2	8	96	1,079,843	3.4	7
Infectious Substance (Etiologic)	166	1.0	9	54	28,817	0.1	17
Organic Peroxide	161	0.9	10	132	95,247	0.3	14
Flammable Solid	121	0.7	11	66	1,128,195	359.2%	6
Other Regulated Material, Class D	65	0.4	12	49	5,084	<.1	20
Poisonous Gas	46	0.3	13	24	234,305	0.7	12
Spontaneously Combustible	21	0.1	14	16	5,311	<.1	19
Dangerous When Wet Material	19	0.1	15	11	6,743	<.1	18
Radioactive Material	14	0.1	16	3	36,200	0.1	16
Explosive No Blast Hazard	11	6.5%	17	3	94,819	0.3	15
Very Insensitive Explosive	7	<.1	18	6	372,997	118.8%	10
Explosive Fire Hazard	3	<.1	19	0	0	0.0	21
Explosive Mass Explosion Hazard	2	<.1	20	1	120,000	0.4	13
Explosive Projection Hazard	1	<.1	21	1	283,914	0.9	11
TOTALS		100.0			\$31,407,127	100.0	

Note: Since some incidents involve multiple hazard classes, double counting occurs in the "Number of Reported Incidents" and "Number of Incidents Involving Damages" columns. Therefore, no totals are shown for these columns.

The "Percent of Reported Incidents" is based on the sum of the "Reported Number of Incidents" column.

* All percent figures are rounded to the nearest tenth.

** No reports were received for other hazard classes.

Exhibit 4.1.3

Incidents by Hazard Class - 1998

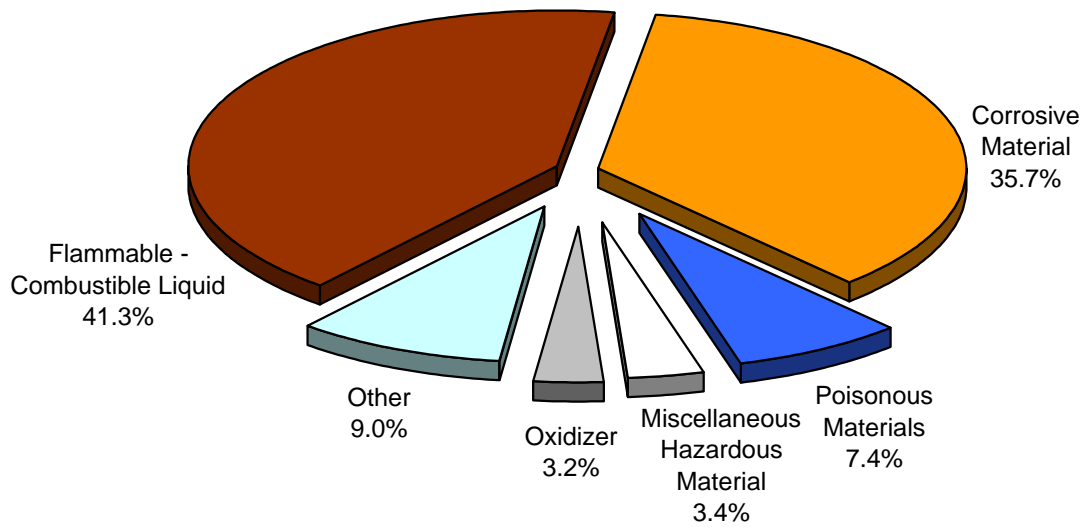


Exhibit 4.1.4

Incidents by Hazard Class - 1999

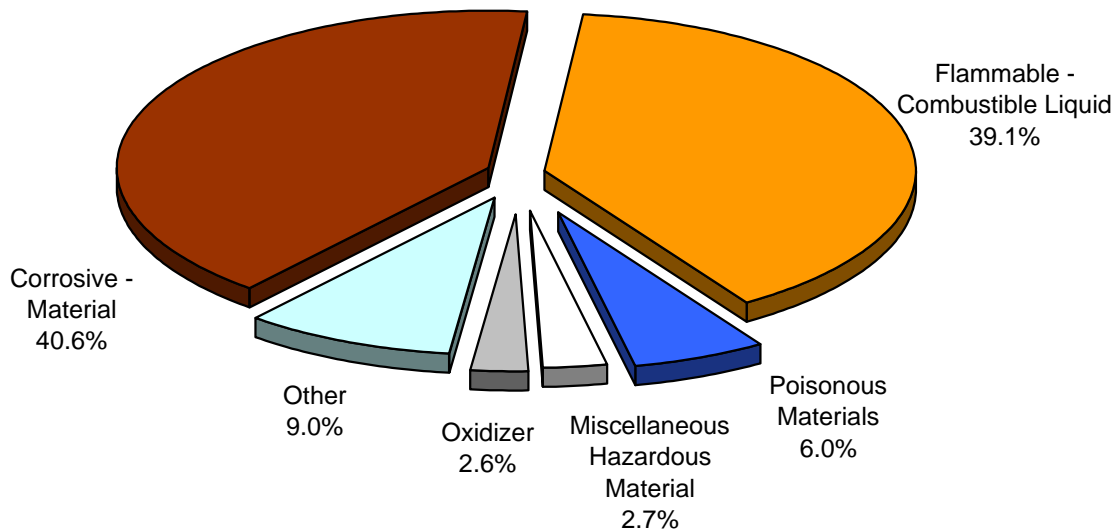


Exhibit 4.2.1

Hazardous Materials Incidents - 1998

Injuries by Hazard Class

Hazard Class *	Number of Injuries	Percent of Injuries	Major Injuries **	Minor Injuries	Number of Incidents with Injuries		
					Major	Minor	Total ***
Corrosive Material	114	57.9	12	102	12	68	78
Flammable - Combustible Liquid	37	18.8	6	31	6	21	26
Poisonous Materials	17	8.6	0	17	0	12	12
Nonflammable Compressed Gas	7	3.6	2	5	2	5	7
Oxidizer	7	3.6	0	7	0	6	6
Flammable Gas	4	2.0	0	4	0	4	4
Miscellaneous Hazardous Material	4	2.0	2	2	2	2	4
Explosive No Blast Hazard	3	1.5	1	2	1	1	2
Combustible Liquid	1	0.5	1	0	1	0	1
Dangerous When Wet Material	1	0.5	0	1	0	1	1
Flammable Solid	1	0.5	0	1	0	1	1
Organic Peroxide	1	0.5	0	1	0	1	1
TOTALS	197	100.0	24	173	24	122	143

Note: All percent figures are rounded to nearest tenth.

* No reports received for other hazard classes.

** Major injuries are those requiring hospitalization or resulting in loss of time at work.

*** Since some incidents involve both major and minor incidents, the "Number of Incidents with Injuries - Total" column may not equal the sum of the two preceding columns.

Exhibit 4.2.2

Hazardous Materials Incidents - 1999 Injuries by Hazard Class

Hazard Class *	Number of Injuries	Percent of Injuries	Major Injuries **	Minor Injuries	Number of Incidents with Injuries		
					Major	Minor	Total ***
Corrosive Material	109	40.8	13	96	4	73	77
Flammable - Combustible Liquid	74	27.7	17	57	12	25	38
Poisonous Materials	36	13.5	4	32	4	16	19
Poisonous Gas	14	5.2	0	14	0	6	6
Oxidizer	9	3.4	0	9	0	5	5
Nonflammable Compressed Gas	8	3.0	4	4	4	4	8
Miscellaneous Hazardous Material	4	1.5	0	4	0	2	2
Flammable Gas	4	1.5	1	3	1	2	2
Infectious Substance (Etiologic)	3	1.1	0	3	0	3	3
Flammable Solid	2	0.7	1	1	1	1	2
Combustible Liquid	2	0.7	0	2	0	1	1
Organic Peroxide	1	0.4	0	1	0	1	1
Explosive No Blast Hazard	1	0.4	0	1	0	1	1
TOTALS	267	100.0	40	227	26	140	165

Note: All percent figures are rounded to nearest tenth.

* No reports received for other hazard classes.

** Major injuries are those requiring hospitalization or resulting in loss of time at work.

*** Since some incidents involve both major and minor incidents, the "Number of Incidents with Injuries - Total" column may not equal the sum of the two preceding columns.

Exhibit 4.3

Hazardous Materials Incidents, 1992-1999 Fatalities by Hazard Class / Hazardous Material

Hazard Class Hazardous Material	Number of Fatalities								Total
	1992	1993	1994	1995	1996	1997	1998	1999	
Combustible Liquid	0	0	0	0	2	0	0	0	2
Fuel Oil No. 1,2,4,5,6	...	...	...	...	1	...	...	...	1
Petroleum Distillate	...	...	...	...	1	...	...	...	1
Flammable Gas	3	0	1	2	0	3	0	0	9
Acetylene Dissolved	...	...	1	...	...	...	...	...	1
Petroleum Gases Liquefied	3	...	...	2	...	3	...	...	8
Poisonous Gas	0	0	0	0	2	0	0	0	2
Ammonia Anhydrous	...	...	...	...	1	...	...	...	1
Chlorine	...	...	...	...	1	...	...	...	1
Flammable - Combustible Liquid	12	15	9	5	6	9	13	4	73
Alcohols n.o.s.	...	...	...	...	...	1	...	...	1
Asphalt	...	1	...	...	...	...	...	...	1
Butylacrylate	...	...	...	...	...	...	2	...	2
Denatured Alcohol	...	1	...	...	...	...	...	...	1
Flammable Liquids n.o.s.	...	...	...	...	1	1	...	...	2
Fuel Aviation Turbine	1	1	...	...	...	...	...	...	2
Gasoline	10	12	9	4	4	6	11	3	59
Heptanes	...	...	...	...	...	...	...	1	1
Hydrocarbons Liquid n.o.s.	...	...	...	...	1	...	...	...	1
Paint Related Material	...	...	...	1	...	...	...	...	1
Petroleum Crude Oil	1	...	...	...	...	...	...	...	1
Xylenes	...	...	...	...	...	1	...	...	1
Oxidizer	0	0	0	0	110	0	0	0	110
Oxidizing Solid n.o.s.	...	...	...	...	110	...	...	...	110
Corrosive Material	1	0	0	0	0	0	0	1	2
Sodium Hydrosulfide Solution	...	...	...	...	...	...	...	1	1
Sodium Hydroxide Solution	1	...	...	...	...	...	...	...	1
Miscellaneous Hazardous	0	0	1	0	0	0	0	0	1
Elevated Temp Material Liquid	...	...	1	...	...	...	...	...	1
Total	16	15	11	7	120	12	13	5	199

Exhibit 4.4.1

Incidents by Top 50 Hazardous Materials - 1998

Rank	Hazardous Material	Hazard Class	Incidents	Percent of Total Incidents	Rank	Hazardous Material	Hazard Class	Incidents	Percent of Total Incidents
1	Flammable Liquids n.o.s.	Flammable - Combustible Liquid	1,223	8.0	26	Fuel Oil (No. 1,2,4,5,6)	Flammable - Combustible Liquid	140	0.9
2	Corrosive Liquids n.o.s.	Corrosive Material	974	6.3	27	Compound Cleaning Liquid	Flammable - Combustible Liquid	136	0.9
3	Resin Solution	Flammable - Combustible Liquid	659	4.3	28	Hypochlorite Solution 5-16%	Corrosive Material	134	0.9
4	Sodium Hydroxide Solution	Corrosive Material	461	3.0	28	Methanol	Flammable - Combustible Liquid	134	0.9
5	Corrosive Liquid Basic Inorganic	Corrosive Material	404	2.6	30	Compound Cleaning Liquid	Corrosive Material	132	0.9
6	Paint Or Paint Related	Flammable - Combustible Liquid	360	2.3	31	Toxic Liquid Organic n.o.s	Poisonous Materials	127	0.8
7	Adhesives	Flammable - Combustible Liquid	343	2.2	32	Consumer Commodity	Other Regulated Material, Class D	122	0.8
8	Hydrochloric Acid Solution	Corrosive Material	338	2.2	33	Acetone	Flammable - Combustible Liquid	121	0.8
9	Gasoline	Flammable - Combustible Liquid	335	2.2	34	Diesel Fuel	Flammable - Combustible Liquid	114	0.7
10	Isopropanol	Flammable - Combustible Liquid	322	2.1	35	Extracts Flavoring Liquid	Flammable - Combustible Liquid	110	0.7
11	Corrosive Liquid Acidic Inorganic	Corrosive Material	301	2.0	36	Fuel Oil	Combustible Liquid	104	0.7
12	Phosphoric Acid	Corrosive Material	293	1.9	37	Petroleum Crude Oil	Flammable - Combustible Liquid	98	0.6
13	Petroleum Distillates n.o.s.	Flammable - Combustible Liquid	290	1.9	38	Petroleum Gases Liquefied	Flammable Gas	88	0.6
14	Printing Ink Flammable	Flammable - Combustible Liquid	236	1.5	39	Paint Related Material	Flammable - Combustible Liquid	87	0.6
15	Caustic Alkali Liquid n.o.s.	Corrosive Material	233	1.5	40	Ammonia Anhydrous	Nonflammable Compressed Gas	84	0.5
16	Corrosive Liquid Acidic Organic	Corrosive Material	228	1.5	40	Tetrachloroethylene	Poisonous Materials	84	0.5
17	Potassium Hydroxide Solution	Corrosive Material	222	1.4	42	Corrosive Liquid Basic Organic	Corrosive Material	80	0.5
18	Sulfuric Acid	Corrosive Material	211	1.4	43	Environmentally Hazardous Solid	Miscellaneous Hazardous Material	74	0.5
19	Hydrogen Perox-Peroxyacet	Oxidizer	193	1.3	44	Amines Liquid Corros n.o.s.	Corrosive Material	69	0.4
20	Combustible Liquid n.o.s.	Combustible Liquid	181	1.2	45	Alcohols n.o.s.	Flammable - Combustible Liquid	68	0.4
21	Ethanol	Flammable - Combustible Liquid	174	1.1	46	Ammonia Solutions 10-35%	Corrosive Material	66	0.4
22	Environmentally Hazardous Liquid	Miscellaneous Hazardous Material	174	1.1	46	Fuel Aviation Turbine	Flammable - Combustible Liquid	66	0.4
22	Compound Cleaning Liquid Pho	Corrosive Material	162	1.1	48	Coating Solution	Flammable - Combustible Liquid	65	0.4
22	Xylenes	Flammable - Combustible Liquid	157	1.0	48	Flammable Liquid Corrosive	Flammable - Combustible Liquid	65	0.4
25	Dichloromethane	Poisonous Materials	142	0.9	50	Organophosphorus Toxic Flammable	Poisonous Materials	62	0.4
TOTALS								11,046	72.0

Note: Percentage figures are based on 15,349 incidents reported in 1998 and are rounded to the nearest tenth.
Since some incidents involve multiple hazardous materials, double counting can occur in the "Incidents" column.

Exhibit 4.4.2

Incidents by Top 50 Hazardous Materials - 1999

Rank	Hazardous Material	Hazard Class	Incidents	Percent of Total Incidents	Rank	Hazardous Material	Hazard Class	Incidents	Percent of Total Incidents
1	Flammable Liquids n.o.s.	Flammable - Combustible Liquid	1,305	7.7	26	Dichloromethane	Poisonous Materials	142	0.8
2	Corrosive Liquids n.o.s.	Corrosive Material	1,057	6.3	27	Acetone	Flammable - Combustible Liquid	134	0.8
3	Resin Solution	Flammable - Combustible Liquid	676	4.0	27	Extracts Flavoring Liquid	Flammable - Combustible Liquid	134	0.8
4	Sodium Hydroxide Solution	Corrosive Material	581	3.4	29	Combustible Liquid n.o.s.	Combustible Liquid	127	0.8
5	Caustic Alkali Liquid n.o.s.	Corrosive Material	522	3.1	29	Toxic Liquid Organic n.o.s.	Poisonous Materials	127	0.8
6	Corrosive Liquid Basic Inorganic	Corrosive Material	477	2.8	31	Hydrogen Perox-Peroxyacetic	Oxidizer	122	0.7
7	Phosphoric Acid	Corrosive Material	464	2.7	32	Compound Cleaning Liquid	Corrosive Material	118	0.7
8	Corrosive Liquid Acidic Inorganic	Corrosive Material	433	2.6	33	Methanol	Flammable - Combustible Liquid	115	0.7
9	Hydrochloric Acid Solution	Corrosive Material	394	2.3	34	Amines Liquid Corrosive n.o.s.	Corrosive Material	111	0.7
10	Adhesives	Flammable - Combustible Liquid	384	2.3	35	Diesel Fuel	Flammable - Combustible Liquid	109	0.6
11	Corrosive Liquid Acidic Organic	Corrosive Material	383	2.3	36	Flammable Liquid Corrosive	Flammable - Combustible Liquid	101	0.6
12	Isopropanol	Flammable - Combustible Liquid	382	2.3	37	Ammonia Anhydrous	Nonflammable Compressed Gas	100	0.6
13	Potassium Hydroxide Solution	Corrosive Material	369	2.2	38	Fuel Oil	Combustible Liquid	98	0.6
14	Paint or Paint Related	Flammable - Combustible Liquid	357	2.1	39	Environmentally Hazardous Solid	Miscellaneous Hazardous Material	93	0.6
15	Gasoline	Flammable - Combustible Liquid	348	2.1	40	Petroleum Gases Liquefied	Flammable Gas	91	0.5
16	Printing Ink Flammable	Flammable - Combustible Liquid	284	1.7	40	Paint Related Material	Flammable - Combustible Liquid	91	0.5
17	Sulfuric Acid	Corrosive Material	254	1.5	42	Corrosive Liquids Toxic	Corrosive Material	86	0.5
18	Petroleum Distillates n.o.s.	Flammable - Combustible Liquid	229	1.4	43	Disinfectant Corrosive Liquid	Corrosive Material	84	0.5
19	Hypochlorite Solution 5-16%	Corrosive Material	201	1.2	44	Toluene	Flammable - Combustible Liquid	75	0.4
20	Xylenes	Flammable - Combustible Liquid	196	1.2	45	Alcohols n.o.s.	Flammable - Combustible Liquid	74	0.4
21	Ethanol	Flammable - Combustible Liquid	195	1.2	45	Corrosive Liquid Basic Organic	Corrosive Material	74	0.4
22	Fuel Oil (No. 1,2,4,5,6)	Flammable - Combustible Liquid	178	1.1	47	Fire Extinguishers	Nonflammable Compressed Gas	73	0.4
23	Regulated Medical Waste	Infectious Substance (Etiologic)	161	1.0	48	Fuel Aviation Turbine	Flammable - Combustible Liquid	72	0.4
24	Environmentally Hazardous Liquid	Miscellaneous Hazardous Material	145	0.9	49	Ammonia Solutions 10-35%	Corrosive Material	67	0.4
25	Compound Cleaning Liquid Pho	Corrosive Material	144	0.9	49	Coating Solution	Flammable - Combustible Liquid	67	0.4
TOTALS								12,604	74.7

Note: Percentage figures are based on 16,881 incidents reported in 1999.

Since some incidents involve multiple hazardous materials, double counting can occur in the "Incidents" column.

Exhibit 4.5.1

Serious Incidents by Hazardous Material - 1998

Rank	Hazardous Material	Hazard Class	Incidents	Percent of Total Incidents	Rank	Hazardous Material	Hazard Class	Incidents	Percent of Total Incidents
1	Gasoline	Flammable - Combustible Liquid	66	0.4	23	Fuel Aviation Turbine	Flammable - Combustible Liquid	4	<.1
2	Petroleum Gases Liquefied	Flammable Gas	20	0.1	23	Hypochlorite Solution 5-16%	Corrosive Material	4	<.1
3	Diesel Fuel	Flammable - Combustible Liquid	14	<.1	23	Isopropanol	Flammable - Combustible Liquid	4	<.1
4	Sodium Hydroxide Solution	Corrosive Material	13	<.1	23	Oxygen Refrigerated Liquid	Nonflammable Compressed Gas	4	<.1
4	Sulfuric Acid	Corrosive Material	13	<.1	23	Paint or Paint Related	Flammable - Combustible Liquid	4	<.1
4	Fuel Oil (No. 1,2,4,5,6)	Flammable - Combustible Liquid	13	<.1	23	Phosphoric Acid	Corrosive Material	4	<.1
7	Flammable Liquids n.o.s.	Flammable - Combustible Liquid	12	<.1	23	Corrosive Liquid Acidic Inorganic	Corrosive Material	4	<.1
7	Environmentally Hazardous Liquid	Miscellaneous Hazardous Material	12	<.1	30	Ammonium Nitrate - Fuel Oil	Very Insensitive Explosive	3	<.1
9	Hydrochloric Acid Solution	Corrosive Material	11	<.1	30	Carbon Dioxide Refrig Liquid	Nonflammable Compressed Gas	3	<.1
10	Ammonium Nitrate <0.2%	Oxidizer	9	<.1	30	Fuel Oil	Combustible Liquid	3	<.1
11	Ammonia Anhydrous	Nonflammable Compressed Gas	8	<.1	30	Hydrogen Peroxide 20-40%	Oxidizer	3	<.1
11	Corrosive Liquids n.o.s.	Corrosive Material	8	<.1	30	Propane	Flammable Gas	3	<.1
11	Elevated Temp Material Liquid	Miscellaneous Hazardous Material	8	<.1	30	Sodium Hydroxide Solid	Corrosive Material	3	<.1
14	Fuel Oil No. 1,2,4,5,6	Combustible Liquid	7	<.1	30	Triethylamine	Flammable - Combustible Liquid	3	<.1
15	Caustic Alkali Liquid n.o.s.	Corrosive Material	6	<.1	30	Methanol	Flammable - Combustible Liquid	3	<.1
15	Combustible Liquid n.o.s.	Combustible Liquid	6	<.1	30	Explosive Blasting Type E	Very Insensitive Explosive	3	<.1
15	Petroleum Crude Oil	Flammable - Combustible Liquid	6	<.1	30	Sodium Dithionite	Spontaneously Combustible	3	<.1
15	Nitric Acid <70%	Corrosive Material	6	<.1	30	Environmentally Hazardous Solid	Miscellaneous Hazardous Material	3	<.1
15	Nitrogen Refrigerated Liquid	Nonflammable Compressed Gas	6	<.1	30	Toxic Liquid Organic n.o.s.	Poisonous Materials	3	<.1
20	Adhesives	Flammable - Combustible Liquid	5	<.1	42	28 materials tied for this rank	...	2 each	0.4
20	Sulfur Molten	Miscellaneous Hazardous Material	5	<.1	70	86 materials tied for this rank	...	1 each	0.6
20	Corros Liquid Basic Inorganic	Corrosive Material	5	<.1					
TOTAL									2.8

Note: Percentage figures are based on 15,349 incidents reported in 1998 and are rounded to the nearest tenth.

RSPA defines serious incidents as incidents that involve: a fatality or major injury due to a hazardous material; closure of a major transportation artery or facility or evacuation of six or more persons due to the presence of a hazardous material; or a vehicle accident or derailment resulting in the release of a hazardous material.

Since some incidents involve multiple hazardous materials, double counting can occur in the "Incidents" column. Therefore, no total is shown for this column.

Exhibit 4.5.2

Serious Incidents by Hazardous Material - 1999

Rank	Hazardous Material	Hazard Class	Incidents	Percent of Total Incidents	Rank	Hazardous Material	Hazard Class	Incidents	Percent of Total Incidents
1	Gasoline	Flammable - Combustible Liquid	53	0.3	23	Caustic Alkali Liquid n.o.s.	Corrosive Material	3	<.1
2	Petroleum Gases Liquefied	Flammable Gas	21	0.1	23	Carbon Dioxide Refrig Liquid	Nonflammable Compressed Gas	3	<.1
3	Fuel Oil (No. 1,2,4,5,6)	Flammable - Combustible Liquid	19	0.1	23	Flammable Liquid Corrosive	Flammable - Combustible Liquid	3	<.1
4	Diesel Fuel	Flammable - Combustible Liquid	14	<.1	23	Oxygen Refrigerated Liquid	Nonflammable Compressed Gas	3	<.1
5	Flammable Liquids n.o.s.	Flammable - Combustible Liquid	12	<.1	23	Styrene Monomer Inhibited	Flammable - Combustible Liquid	3	<.1
6	Elevated Temp Material Liquid	Miscellaneous Hazardous Material	11	<.1	23	Sulfuric Acid	Corrosive Material	3	<.1
7	Hypochlorite Solution 5-16%	Corrosive Material	8	<.1	23	Toluene Diisocyanate	Poisonous Materials	3	<.1
8	Hydrochloric Acid Solution	Corrosive Material	7	<.1	23	Toluene	Flammable - Combustible Liquid	3	<.1
8	Sodium Hydroxide Solution	Corrosive Material	7	<.1	23	Explosive Blasting Type E	Very Insensitive Explosive	3	<.1
10	Ammonia Anhydrous	Nonflammable Compressed Gas	6	<.1	23	Environmentally Hazardous Solid	Miscellaneous Hazardous Material	3	<.1
10	Environmentally Hazardous Liquid	Miscellaneous Hazardous Material	6	<.1	23	Hazardous Waste Liquid	Miscellaneous Hazardous Material	3	<.1
12	Ammonium Nitrate <0.2%	Oxidizer	5	<.1	23	Regulated Medical Waste	Infectious Substance (Etiologic)	3	<.1
12	Petroleum Crude Oil	Flammable - Combustible Liquid	5	<.1	35	22 materials tied for this rank	...	2 each	0.3
12	Ethyl Acrylate Inhibited	Flammable - Combustible Liquid	5	<.1	57	95 materials tied for this rank	...	1 each	0.6
12	Nitrogen Refrigerated Liquid	Nonflammable Compressed Gas	5	<.1					
16	Combustible Liquid n.o.s.	Combustible Liquid	4	<.1					
16	Corrosive Liquids n.o.s.	Corrosive Material	4	<.1					
16	Fuel Aviation Turbine	Flammable - Combustible Liquid	4	<.1					
16	Fuel Oil	Combustible Liquid	4	<.1					
16	Phosphoric Acid	Corrosive Material	4	<.1					
16	Resin Solution	Flammable - Combustible Liquid	4	<.1					
16	Methanol	Flammable - Combustible Liquid	4	<.1					
TOTAL									2.1

Note: Percentage figures are based on 16,881 incidents reported in 1999.

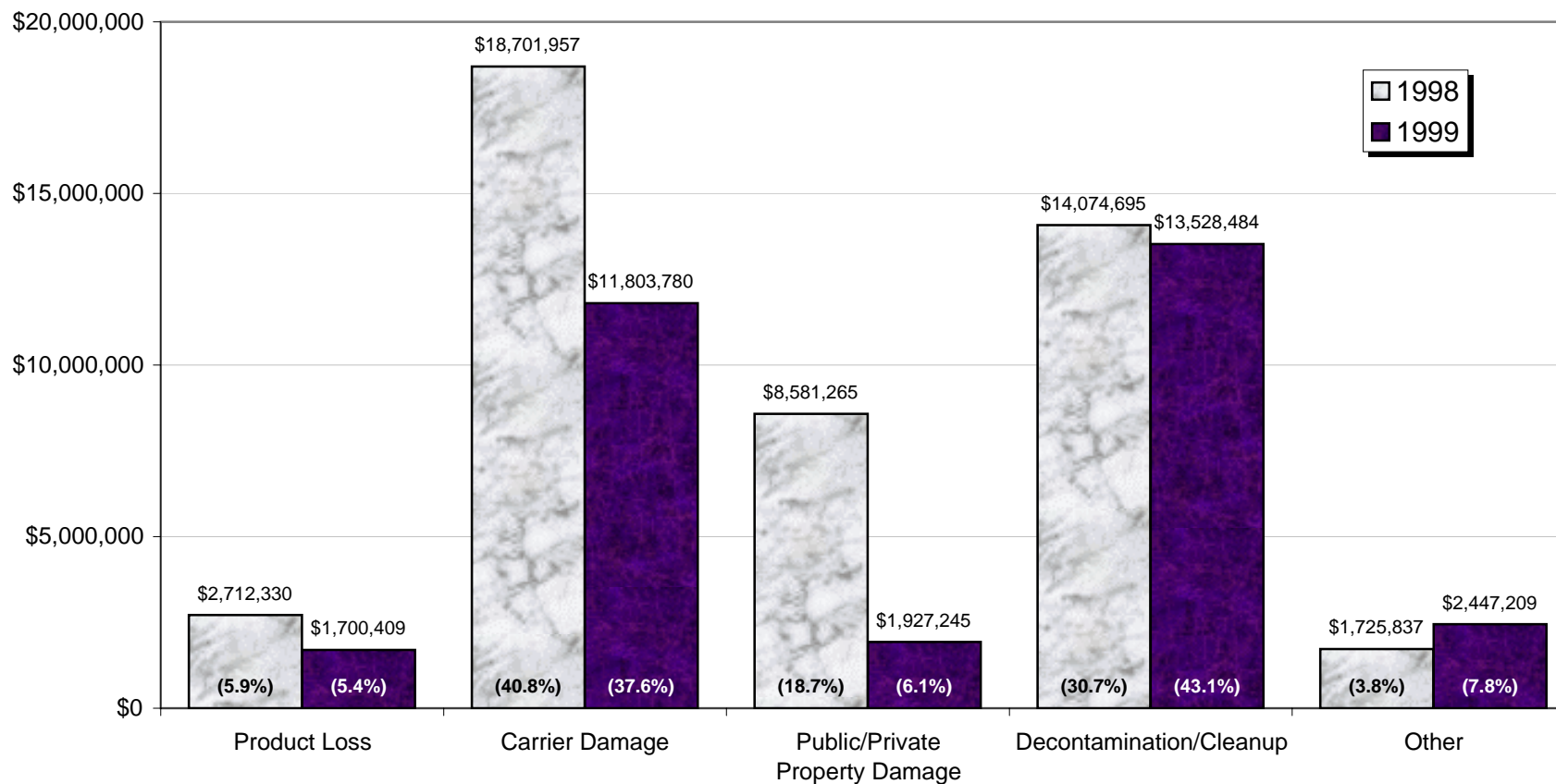
RSPA defines serious incidents as incidents that involve: a fatality or major injury due to a hazardous material; closure of a major transportation artery or facility or evacuation of six or more persons due to the presence of a hazardous material; or a vehicle accident or derailment resulting in the release of a hazardous material.

Since some incidents involve multiple hazardous materials, double counting can occur in the "Incidents" column. Therefore, no total is shown for this column.

Exhibit 5

Characterization of Hazardous Materials Incident Damages, 1998-1999

Damages (Millions)



Note: The numbers in parentheses show the percent of the total reported damages for each individual year

Exhibit 6.1

Hazardous Materials Incidents - 1998

Cause by Mode

Cause	Air	Highway	Rail	Water	Total	Percent of all Incidents*
Human Error	1,265	11,235	607	5	13,112	85.4
Package Failure	84	1,342	309	5	1,740	11.3
Vehicular Accident/Derailment	1	264	51	0	316	2.1
Other	30	127	23	1	181	1.2
TOTALS	1,380	12,968	990	11	15,349	...
Percent of Incidents by Mode	9.0	84.5	6.4	0.1	...	...

Exhibit 6.2

Hazardous Materials Incidents - 1999

Cause by Mode

Cause	Air	Highway	Rail	Water	Total	Percent of all Incidents*
Human Error	1,374	12,536	678	7	14,595	95.1
Package Failure	134	1,306	285	1	1,726	11.2
Vehicular Accident/Derailment	0	218	53	0	271	1.8
Other	45	221	23	0	289	1.9
TOTALS	1,553	14,281	1,039	8	16,881	...
Percent of Incidents by Mode	10.1	93.0	6.8	0.1	...	...

Note: All percent figures are rounded to the nearest tenth.

Exhibit 7.1

Hazardous Materials Incidents - 1998 Evacuations - Cause and Consequence by Mode

Mode	Incidents With Evacuations	CAUSE				CONSEQUENCE			
		Human Error	Package Failure	Accident/ Derailment	Other	People Evacuated	Deaths	Major Injuries *	Minor Injuries
Air	107	99	3	0	5	1,236	0	0	6
Highway	140	89	21	30	0	5,638	7	2	32
Railway	28	7	8	13	0	2,307	0	0	2
Water	0	0	0	0	0	0	0	0	0
TOTALS	275	195	32	43	5	9,181	7	2	40

Exhibit 7.2

Hazardous Materials Incidents - 1999 Evacuations - Cause and Consequence by Mode

Mode	Incidents With Evacuations	CAUSE				CONSEQUENCE			
		Human Error	Package Failure	Accident/ Derailment	Other	People Evacuated	Deaths	Major Injuries *	Minor Injuries
Air	115	104	7	0	4	743	0	0	5
Highway	104	63	14	24	3	6,225	1	4	60
Railway	21	3	1	16	1	5,530	0	1	0
Water	0	0	0	0	0	0	0	0	0
TOTALS	240	170	22	40	8	12,498	1	5	65

* Major injuries are those requiring hospitalization or resulting in loss of time at work.

Exhibit 8.1.1

Hazardous Materials Incidents - 1998 Consequences by Transportation Phase

TRANSPORTATION PHASE	DEATHS		MAJOR INJURIES *		MINOR INJURIES		DAMAGES > \$50,000		EVACUATIONS		TOTAL INCIDENTS
	Incidents	People	Incidents	People	Incidents	People	Incidents	\$	Incidents	People	
En Route/Accident	6	8	5	5	6	10	152	34,389,378	42	4,289	346
En Route/Non-Accident	0	0	4	4	25	37	12	1,973,806	61	1,523	2,694
Loading	0	0	2	2	17	20	1	173,000	21	414	2,833
Unloading	1	5	12	12	62	91	5	795,564	61	1,797	8,469
Storage/Terminal	0	0	1	1	9	11	3	228,500	86	1,086	954
TOTALS	7	13	24	24	119	169	173	37,560,248	271	9,109	15,296

Exhibit 8.1.2

Hazardous Materials Incidents - 1999 Consequences by Transportation Phase

TRANSPORTATION PHASE	DEATHS		MAJOR INJURIES		MINOR INJURIES		DAMAGES > \$50,000		EVACUATIONS		TOTAL INCIDENTS
	Incidents	People	Incidents	People	Incidents	People	Incidents	\$	Incidents	People	
En Route/Accident	3	3	5	5	3	8	119	16,712,362	33	4,191	300
En Route/Non-Accident	0	0	2	10	32	52	11	1,914,204	17	4,291	2,638
Loading	0	0	7	7	13	45	6	1,519,100	14	576	2,757
Unloading	2	2	10	15	75	96	9	1,904,027	15	1,887	9,868
Storage/Terminal	0	0	2	3	12	19	3	653,000	23	1,878	986
TOTALS	5	5	26	40	135	220	148	22,702,693	102	12,823	16,549

* Major injuries are those requiring hospitalization or resulting in loss of time at work.

Exhibit 8.2.1 Hazardous Materials Incidents, 1998 Consequences by Bulk and Non-Bulk

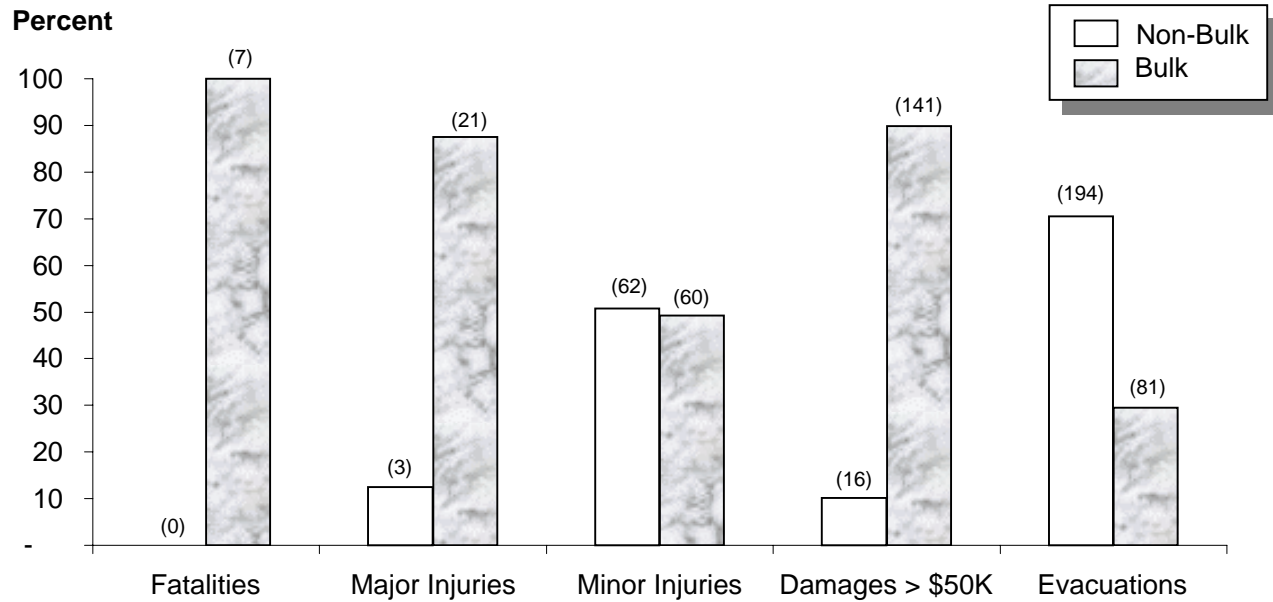
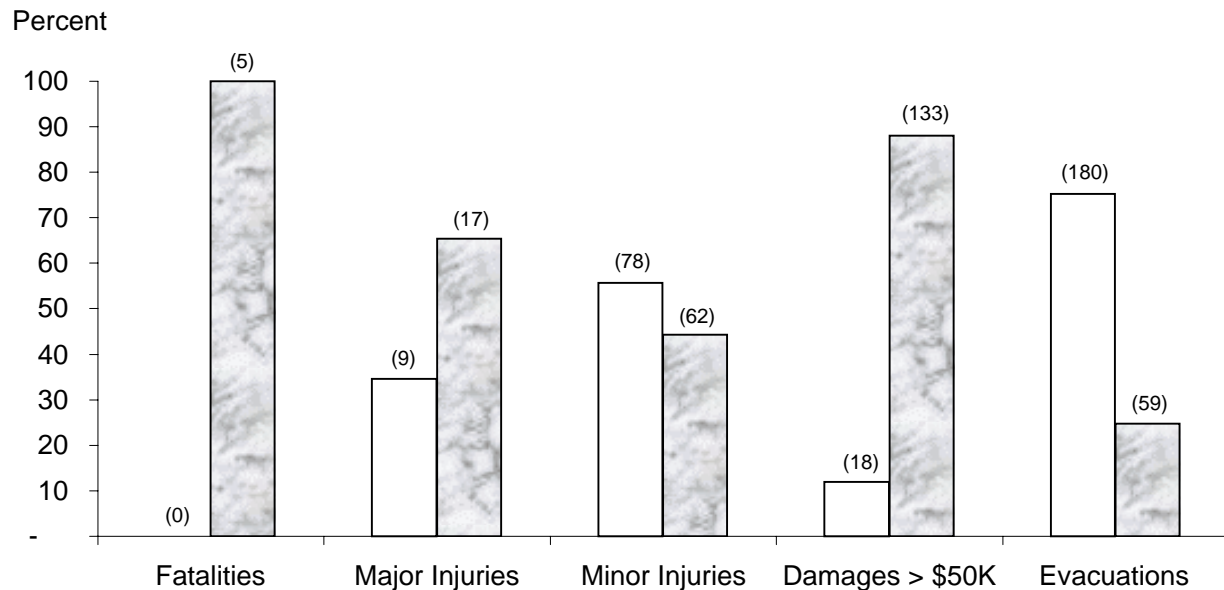


Exhibit 8.2.2 Hazardous Materials Incidents, 1999 Consequences by Bulk and Non-Bulk



Note: Numbers in parentheses show the number of incidents resulting in each consequence

Bulk packages are defined as those with a maximum capacity greater than 450 L (119 gallon)

Exhibit 8.3.1

Hazardous Materials Incidents - 1998

Consequences by Time of Day

Incidents

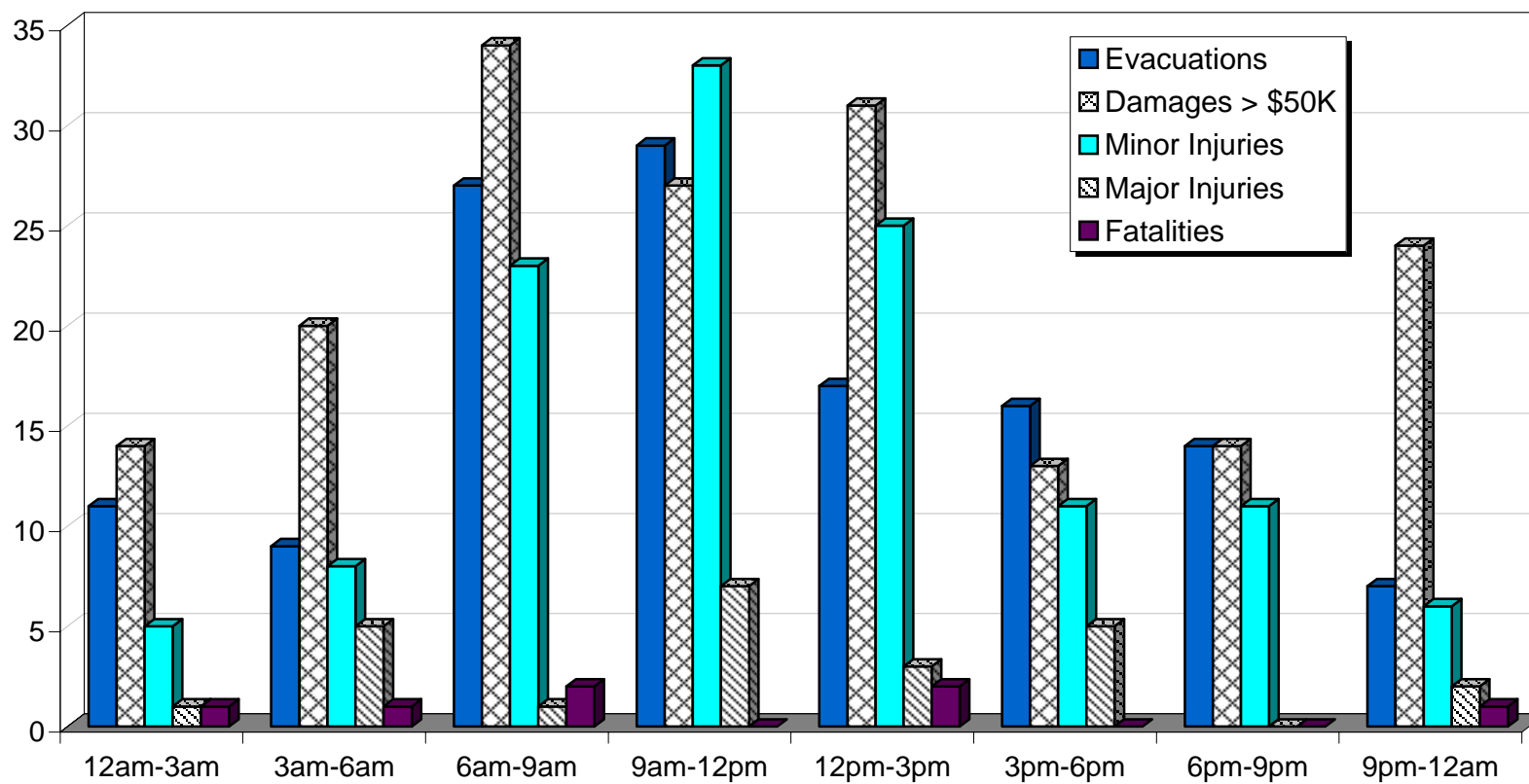


Exhibit 8.3.2

Hazardous Materials Incidents - 1999

Consequences by Time of Day

Incidents

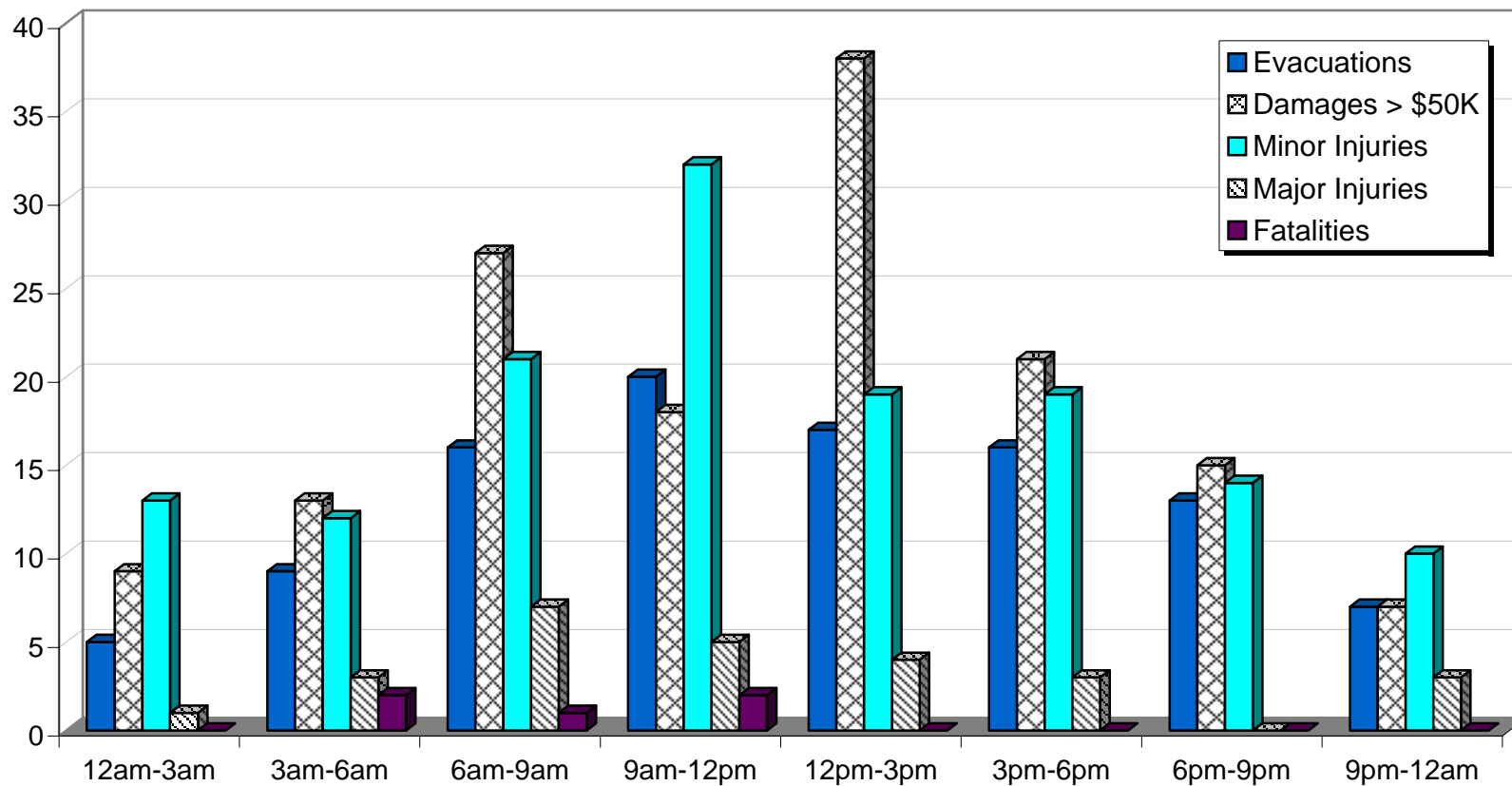


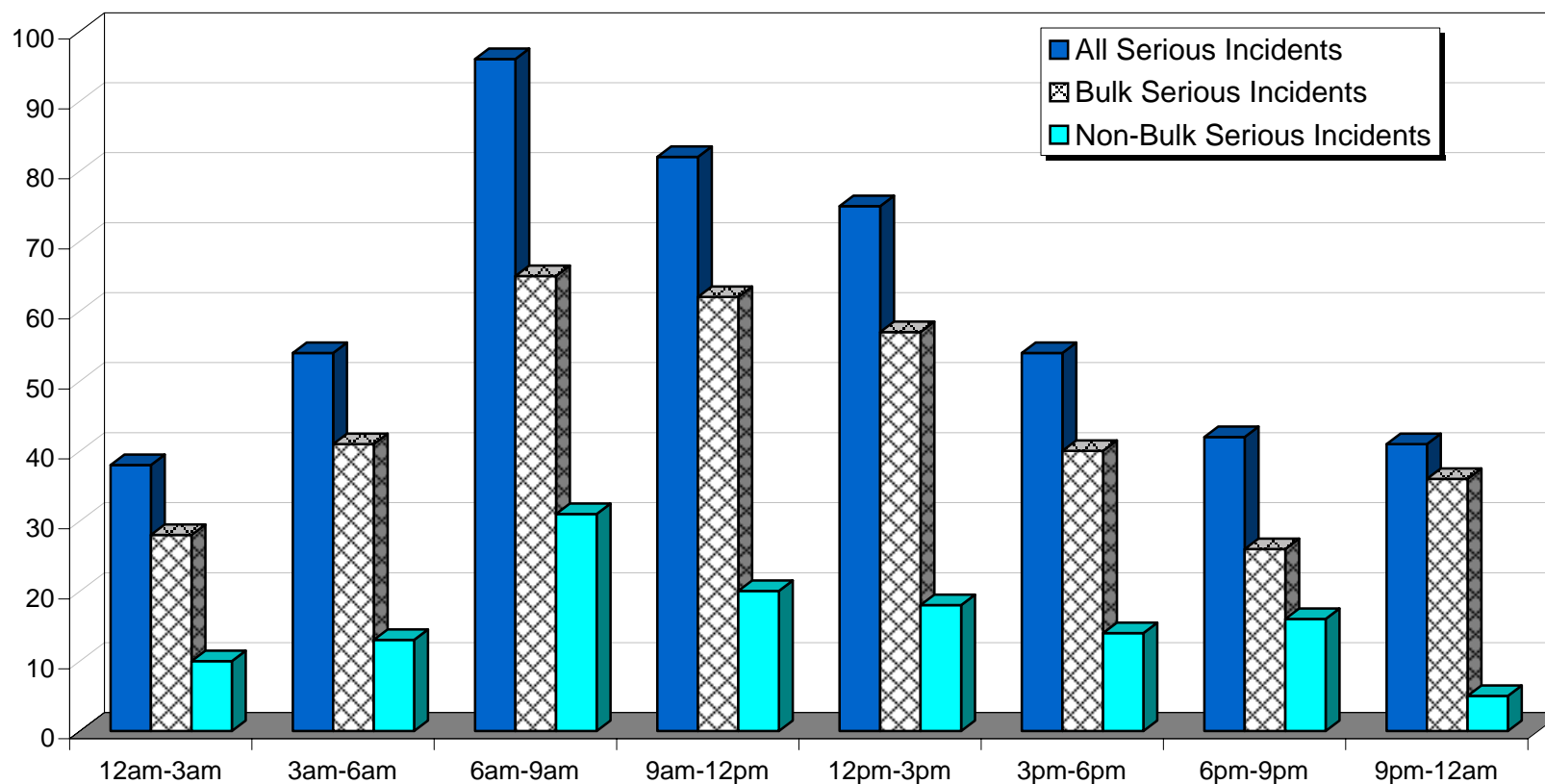
Exhibit 9.1

Hazardous Materials Incidents - 1998

Serious Incidents by Time of Day

Bulk and Non-Bulk

Incidents



Note: RSPA defines serious incidents as incidents that involve: a fatality or major injury due to a hazardous material; closure of a major transportation artery or facility or evacuation of six or more persons due to the presence of a hazardous material; or a vehicle accident or derailment resulting in the release of a hazardous material.

Bulk packages are defined as those with a maximum capacity greater than 450 L (119 gallons)

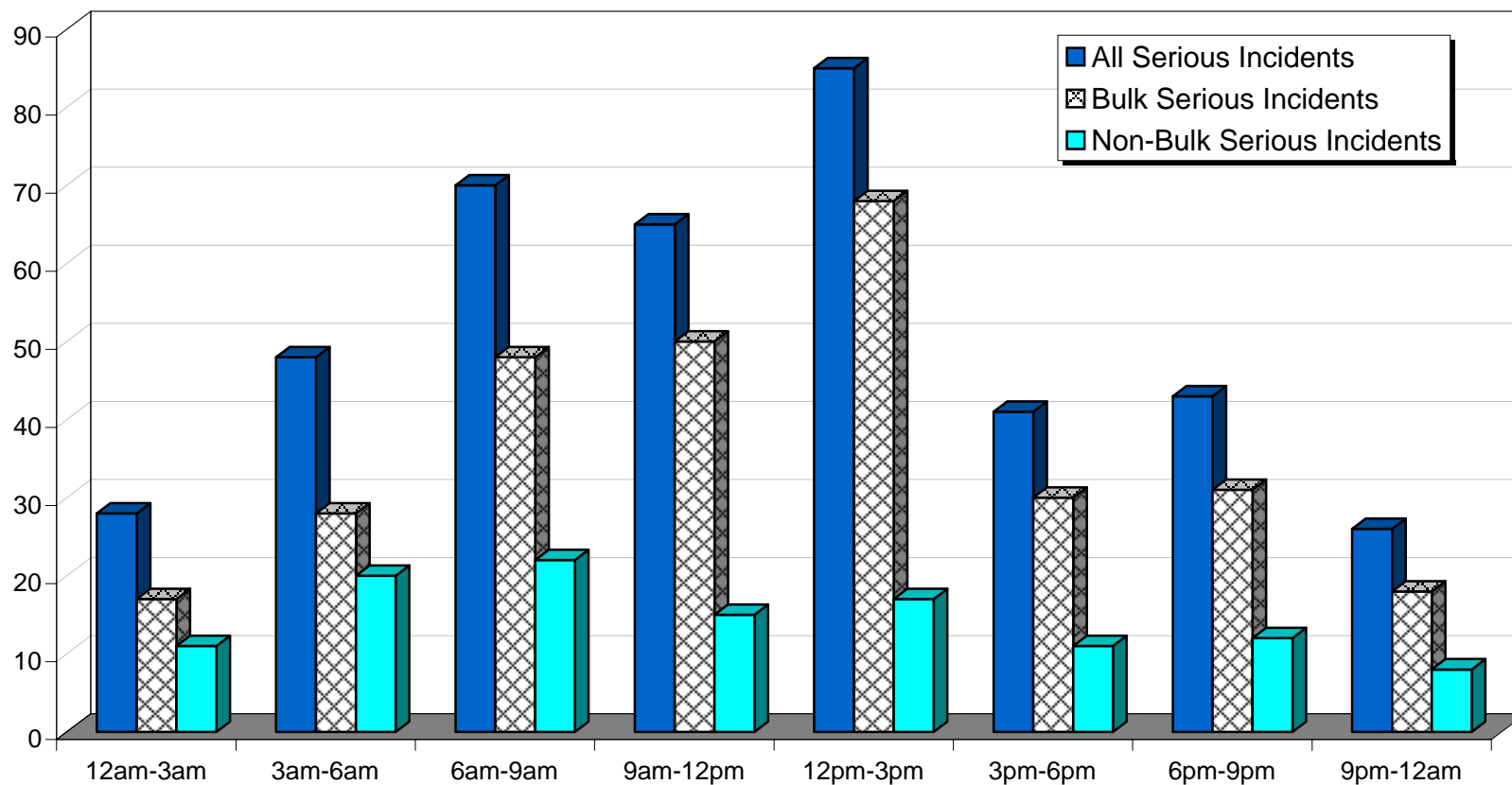
Exhibit 9.2

Hazardous Materials Incidents - 1999

Serious Incidents by Time of Day

Bulk and Non-Bulk

Incidents



Note: RSPA defines serious incidents as incidents that involve: a fatality or major injury due to a hazardous material; closure of a major transportation artery or facility or evacuation of six or more persons due to the presence of a hazardous material; or a vehicle accident or derailment resulting in the release of a hazardous material.

Bulk packages are defined as those with a maximum capacity greater than 450 L (119 gallons)

Exhibit 10.1

Hazardous Materials Incidents - 1998

By State

State	Incidents	Deaths	Injuries		\$ Damages	State	Incidents	Deaths	Injuries		\$ Damages
			Major	Minor					Major	Minor	
Alabama	218	1	1	1	927,170	Montana	35	0	0	0	98,842
Alaska	29	0	0	2	2,603	Nebraska	72	0	1	0	63,463
Arizona	209	1	0	1	704,742	Nevada	42	0	0	0	436,001
Arkansas	225	0	0	2	642,896	New Hampshire	42	0	0	0	182,543
California	1,138	0	0	16	1,382,007	New Jersey	331	0	0	3	470,060
Colorado	261	0	0	3	180,945	New Mexico	117	0	0	2	346,461
Connecticut	162	0	0	0	192,762	New York	676	0	2	4	3,397,745
Delaware	19	0	0	1	148,777	North Carolina	547	1	0	3	1,768,515
Dist. of Columbia	5	0	0	0	563	North Dakota	33	0	0	0	2,795,512
Florida	455	0	0	6	2,040,141	Ohio	1,228	0	1	5	1,566,817
Georgia	411	0	1	2	381,121	Oklahoma	132	0	4	1	1,036,686
Hawaii	13	0	0	1	131,654	Oregon	211	0	0	4	122,699
Idaho	27	0	0	0	10,537	Pennsylvania	900	2	0	15	6,020,678
Illinois	1,449	0	0	8	761,909	Rhode Island	18	0	0	0	7,072
Indiana	366	0	1	7	600,606	South Carolina	161	0	0	4	1,311,551
Iowa	102	0	0	2	1,338,127	South Dakota	22	0	0	0	10,074
Kansas	275	0	0	2	620,772	Tennessee	752	0	1	10	443,194
Kentucky	463	0	0	1	228,544	Texas	1,188	0	7	22	3,088,273
Louisiana	295	1	0	5	2,559,547	Utah	234	0	0	1	74,815
Maine	24	0	1	0	248,532	Vermont	20	0	0	0	70,910
Maryland	219	0	1	4	414,761	Virginia	208	0	0	2	3,334,217
Massachusetts	346	0	0	1	493,117	Washington	196	0	0	6	486,496
Michigan	319	0	0	12	467,401	West Virginia	50	2	0	1	2,637,516
Minnesota	260	0	1	4	721,225	Wisconsin	192	0	0	1	278,110
Mississippi	184	5	1	2	65,387	Wyoming	55	0	0	0	169,709
Missouri	377	0	1	4	208,988	Other *	36	0	0	2	103,291
						TOTAL	15,349	13	24	173	\$45,796,084

* Incidents involving U.S. carriers that occurred in territorial possessions or foreign countries.

Exhibit 10.2

Hazardous Materials Incidents - 1999

By State

State	Incidents	Deaths	Injuries		\$ Damages	State	Incidents	Deaths	Injuries		\$ Damages
			Major	Minor					Major	Minor	
Alabama	211	0	0	5	498,406	Montana	50	0	0	1	146,101
Alaska	38	0	0	1	3,023,778	Nebraska	109	0	0	7	527,222
Arizona	299	0	0	3	249,071	Nevada	62	0	0	0	70,969
Arkansas	245	0	1	8	388,277	New Hampshire	34	0	0	0	10,063
California	1,187	0	5	14	1,481,052	New Jersey	410	0	2	19	1,518,550
Colorado	220	0	1	4	525,071	New Mexico	109	0	1	1	268,287
Connecticut	209	0	0	1	139,288	New York	585	1	3	6	587,892
Delaware	37	0	0	1	9,654	North Carolina	859	0	2	11	934,434
Dist. of Columbia	12	0	0	0	4,190	North Dakota	22	0	0	0	117,889
Florida	676	0	1	9	1,499,960	Ohio	1,466	0	1	8	782,003
Georgia	556	0	0	7	629,688	Oklahoma	184	0	0	1	555,010
Hawaii	15	0	0	0	153,599	Oregon	276	0	0	0	112,591
Idaho	27	0	0	1	115,163	Pennsylvania	899	0	2	14	1,271,037
Illinois	1,163	0	1	21	611,338	Rhode Island	8	0	0	0	387
Indiana	367	0	0	13	667,333	South Carolina	151	0	0	4	575,422
Iowa	129	2	1	4	1,195,130	South Dakota	15	0	0	0	34,620
Kansas	314	0	1	2	184,766	Tennessee	960	1	0	1	1,239,502
Kentucky	466	0	1	1	337,585	Texas	1,342	0	10	12	3,846,241
Louisiana	312	0	3	3	1,018,672	Utah	260	0	0	0	746,866
Maine	15	0	0	0	4,415	Vermont	10	0	0	0	6,830
Maryland	240	0	1	3	380,919	Virginia	156	0	0	3	959,361
Massachusetts	337	0	1	24	584,119	Washington	137	0	0	1	97,577
Michigan	396	1	0	6	303,616	West Virginia	62	0	0	0	276,940
Minnesota	303	0	0	0	679,820	Wisconsin	238	0	1	0	362,450
Mississippi	207	0	0	2	214,646	Wyoming	46	0	0	1	261,383
Missouri	392	0	1	4	474,128	Other *	58	0	0	0	723,816
						TOTAL	16,881	5	40	227	\$31,407,127

* Incidents involving U.S. carriers that occurred in territorial possessions or foreign countries.